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RAW SEQUENCE LISTING

DATE: 01/28/2002

PATENT APPLICATION: US/10/046,922

TIME: 13:53:48

Input Set : A:\Sequence.txt

Output Set: N:\CRF3\01282002\J046922.raw

p.s

5 <110> APPLICANT: Alitalo, Kari
7 Koivunen, Erkki
9 Kubo, Hajime
13 <120> TITLE OF INVENTION: VEGFR-3 INHIBITOR MATERIALS AND METHODS
17 <130> FILE REFERENCE: 28967/37084A
21 <140> CURRENT APPLICATION NUMBER: US/10/046,922
21 <141> CURRENT FILING DATE: 2002-01-15
21 <160> NUMBER OF SEQ ID NOS: 80
25 <170> SOFTWARE: PatentIn version 3.0
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31 <211> LENGTH: 13
33 <212> TYPE: PRT
35 <213> ORGANISM: conserved PDGF motif
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49 <220> FEATURE:
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53 <222> LOCATION: (10)..(10)
55 <223> OTHER INFORMATION: X= glycine or serine or threonine or alanine
59 <220> FEATURE:
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63 <222> LOCATION: (5)..(7)
65 <223> OTHER INFORMATION: X= any amino acid
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72 1 5 10
74 <210> SEQ ID NO: 2
76 <211> LENGTH: 76
78 <212> TYPE: PRT
80 <213> ORGANISM: VEGF homology domain
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88 <222> LOCATION: (2)..(23)
90 <223> OTHER INFORMATION: X is any amino acid
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98 <222> LOCATION: (25)..(25)
100 <223> OTHER INFORMATION: X is proline, serine, or arginine
104 <220> FEATURE:
106 <221> NAME/KEY: SITE
108 <222> LOCATION: (28)..(30)

ENTERED

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120 <223> OTHER INFORMATION: X is glycine, serine, threonine, or alanine
124 <220> FEATURE:
126 <221> NAME/KEY: SITE
128 <222> LOCATION: (37)..(42)
130 <223> OTHER INFORMATION: X is any amino acid
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136 <221> NAME/KEY: SITE
138 <222> LOCATION: (44)..(75)
140 <223> OTHER INFORMATION: X is any amino acid
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      147 1          5          10          15
W--> 149 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Pro Xaa Cys Val Xaa Xaa Xaa Arg Cys
      150          20          25          30
W--> 152 Xaa Gly Cys Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
      153          35          40          45
W--> 155 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
      156          50          55          60
W--> 158 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
      159 65          70          75
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163 <211> LENGTH: 77
165 <212> TYPE: PRT
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177 <223> OTHER INFORMATION: X is any amino acid
181 <220> FEATURE:
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185 <222> LOCATION: (25)..(25)
187 <223> OTHER INFORMATION: X is proline, serine, or arginine
191 <220> FEATURE:
193 <221> NAME/KEY: SITE
195 <222> LOCATION: (28)..(30)
197 <223> OTHER INFORMATION: X is any amino acid
201 <220> FEATURE:
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207 <223> OTHER INFORMATION: X is glycine, serine, threonine, or alanine
211 <220> FEATURE:
213 <221> NAME/KEY: SITE
215 <222> LOCATION: (37)..(42)
217 <223> OTHER INFORMATION: X is any amino acid
221 <220> FEATURE:

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Input Set : A:\Sequence.txt

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223 <221> NAME/KEY: SITE
225 <222> LOCATION: (44)..(76)
227 <223> OTHER INFORMATION: X is any amino acid
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234 1 5 10 15
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237 20 25 30
W--> 239 Xaa Gly Cys Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
240 35 40 45
W--> 242 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
243 50 55 60
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264 <223> OTHER INFORMATION: X is any amino acid
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272 <222> LOCATION: (25)..(25)
274 <223> OTHER INFORMATION: X is proline, serine or arginine
278 <220> FEATURE:
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284 <223> OTHER INFORMATION: X is any amino acid
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290 <221> NAME/KEY: SITE
292 <222> LOCATION: (33)..(33)
294 <223> OTHER INFORMATION: X is glycine, serine, threonine, or alanine
298 <220> FEATURE:
300 <221> NAME/KEY: SITE
302 <222> LOCATION: (37)..(42)
304 <223> OTHER INFORMATION: X is any amino acid
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310 <221> NAME/KEY: SITE
312 <222> LOCATION: (44)..(77)
314 <223> OTHER INFORMATION: X is any amino acid
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321 1 5 10 15
W--> 323 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Pro Xaa Cys Val Xaa Xaa Xaa Arg Cys
324 20 25 30
W--> 326 Xaa Gly Cys Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
327 35 40 45

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329 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 330 50 55 60 /
 W--> 332 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
 333 65 70 75
 335 <210> SEQ ID NO: 5
 337 <211> LENGTH: 79
 339 <212> TYPE: PRT
 341 <213> ORGANISM: VEGF homology domain (VHD)
 345 <220> FEATURE:
 347 <221> NAME/KEY: SITE
 349 <222> LOCATION: (2)..(23)
 351 <223> OTHER INFORMATION: X is any amino acid
 355 <220> FEATURE:
 357 <221> NAME/KEY: SITE
 359 <222> LOCATION: (25)..(25)
 361 <223> OTHER INFORMATION: X is proline, serine or arginine
 365 <220> FEATURE:
 367 <221> NAME/KEY: SITE
 369 <222> LOCATION: (28)..(30)
 371 <223> OTHER INFORMATION: X is any amino acid
 375 <220> FEATURE:
 377 <221> NAME/KEY: SITE
 379 <222> LOCATION: (33)..(33)
 381 <223> OTHER INFORMATION: X is glycine, serine, threonine or alanine
 385 <220> FEATURE:
 387 <221> NAME/KEY: SITE
 389 <222> LOCATION: (37)..(42)
 391 <223> OTHER INFORMATION: X is any amino acid
 395 <220> FEATURE:
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 399 <222> LOCATION: (44)..(78)
 401 <223> OTHER INFORMATION: X is any amino acid
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 408 1 5 10 15
 W--> 410 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Pro Xaa Cys Val Xaa Xaa Xaa Arg Cys
 411 20 25 30
 W--> 413 Xaa Gly Cys Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
 414 35 40 45
 W--> 416 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 417 50 55 60
 W--> 419 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
 420 65 70 75
 422 <210> SEQ ID NO: 6
 424 <211> LENGTH: 80
 426 <212> TYPE: PRT
 428 <213> ORGANISM: VEGF homology domain (VHD)
 432 <220> FEATURE:
 434 <221> NAME/KEY: SITE

TIME: 13:53:48

Output Set: N:\CRF3\01282002\J046922.raw

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436 <222> LOCATION: (2)..(23)
438 <223> OTHER INFORMATION: X is any amino acid
444 <220> FEATURE:
446 <221> NAME/KEY: SITE
448 <222> LOCATION: (25)..(25)
450 <223> OTHER INFORMATION: X is proline, serine, or arginine
454 <220> FEATURE:
456 <221> NAME/KEY: SITE
458 <222> LOCATION: (28)..(30)
460 <223> OTHER INFORMATION: X is any amino acid
464 <220> FEATURE:
466 <221> NAME/KEY: SITE
468 <222> LOCATION: (33)..(33)
470 <223> OTHER INFORMATION: X is glycine, serine, threonine or alanine
474 <220> FEATURE:
476 <221> NAME/KEY: SITE
478 <222> LOCATION: (37)..(42)
480 <223> OTHER INFORMATION: X is any amino acid
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486 <221> NAME/KEY: SITE
488 <222> LOCATION: (44)..(79)
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W--> 496 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
497 1 5 10 15
W--> 499 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Pro Xaa Cys Val Xaa Xaa Xaa Arg Cys
500 20 25 30
W--> 502 Xaa Gly Cys Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
503 35 40 45
W--> 505 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
506 50 55 60
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509 65 70 75 80
511 <210> SEQ ID NO: 7
513 <211> LENGTH: 81
515 <212> TYPE: PRT
517 <213> ORGANISM: VEGF homology domain (VHD)
521 <220> FEATURE:
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525 <222> LOCATION: (2)..(23)
527 <223> OTHER INFORMATION: X is any amino acid
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533 <221> NAME/KEY: SITE
535 <222> LOCATION: (25)..(25)
537 <223> OTHER INFORMATION: X is proline, serine or arginine
541 <220> FEATURE:
543 <221> NAME/KEY: SITE
545 <222> LOCATION: (28)..(30)
547 <223> OTHER INFORMATION: X is any amino acid

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When a record is deleted from a sequence it is first in a purge listing. The record is then deleted from the sequence and a purge listing explanation is provided in the <220> to <223> fields of each sequence using **n** or **Xaa**.

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/046,922

DATE: 01/28/2002
TIME: 13:53:49

Input Set : A:\Sequence.txt
Output Set: N:\CRF3\01282002\J046922.raw

L:21 M:270 C: Current Application Number differs, Replaced Current Application No
L:21 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:71 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:245 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:332 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:410 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:419 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:499 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:502 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:508 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:590 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:593 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:596 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:674 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:680 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:683 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
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L:689 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
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L:773 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:776 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:779 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:854 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:860 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10

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L:863 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:866 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:869 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:944 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11